SYSTEM, METHOD, AND APPARATUS FOR MONITORING, REGULATING, OR CONTROLLING FLUID FLOW

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] The present application is a continuation application of U.S. patent application Ser. No. 14/812,149, entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow, (Attorney Docket No. Q48) filed on Jul. 29, 2015, now U.S. Publication No. US 2015-0332009 A1, published on Nov. 19, 2015, which is a continuation application of U.S. patent application Ser. No. 13/723,244, entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow, (Attorney Docket No. J79) filed on Dec. 21, 2012, now U.S. Pat. No. 9,151,646, issued on Oct. 6, 2015, which claims priority to and the benefit of the following:

[0002] U.S. Provisional Patent Application Ser. No. 61/578,649, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Infusing Fluid (Attorney Docket No. J02);

[0003] U.S. Provisional Patent Application Ser. No. 61/578,658, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Estimating Liquid Delivery (Attorney Docket No. J04);

[0004] U.S. Provisional Patent Application Ser. No. 61/578,674, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Dispensing Oral Medications (Attorney Docket No. J05);

[0005] U.S. Provisional Patent Application Ser. No. 61/651,322, filed May 24, 2012 and entitled System, Method, and Apparatus for Electronic Patient Care (Attorney Docket No. J46); and

[0006] U.S. Provisional Patent Application Ser. No. 61/679,117, filed Aug. 3, 2012 and entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow (Attorney Docket No. J30), each of which are hereby incorporated herein by reference in their entirety.

[0007] U.S. patent application Ser. No. 13/723,244, entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow, (Attorney Docket No. J79) filed on Dec. 21, 2012, now U.S. Pat. No. 9,151,646, issued on Oct. 6, 2015 claims priority to, benefit of, and is also a Continuation-In-Part Application of the following:

[0008] U.S. patent application Ser. No. 13/333,574, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Electronic Patient Care, now U.S. Publication Number US-2012-0185267-A1, published Jul. 19, 2012 (Attorney Docket No. 197), and

[0009] PCT Application Serial Number PCT/US11/66588, filed Dec. 21, 2011 and entitled System, Method, and Apparatus for Electronic Patient Care (Attorney Docket No. 197WO), all of which are hereby incorporated herein by reference in their entireties.

[0010] U.S. patent application Ser. No. 14/812,149, entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow, (Attorney Docket No. Q48) filed on Jul. 29, 2015, now U.S. Publication No. US 2015-0332009 A1, published on Nov. 19, 2015 is also a continuation-in-part of the following:

[0011] U.S. patent application Ser. No. 13/723,238, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Clamping, now U.S. Pat. No. 9,759,369, issued Sep. 12, 2017 (Attorney Docket No. J47);

[0012] U.S. patent application Ser. No. 13/723,235, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Dispensing Oral Medications, now U.S. Pat. No. 9,400,873 issued Jul. 26, 2016 (Attorney Docket No. J74);

[0013] U.S. patent application Ser. No. 13/724,568, filed on Dec. 21, 2012, and entitled Syringe Pump, now U.S. Pat. No. 9,295,778 issued Mar. 29, 2016 (Attorney Docket No. J75);

[0014] U.S. patent application Ser. No. 13/725,790, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Infusing Fluid, now U.S. Pat. No. 9,677,555 issued Jun. 13, 2017 (Attorney Docket No. J76);

[0015] U.S. patent application Ser. No. 13/723,239, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Electronic Patient Care, now U.S. Publication Number US-2013-0297330-A1 (Attorney Docket No. J77);

[0016] U.S. patent application Ser. No. 13/723,242, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Electronic Patient Care, now U.S. Publication Number US-2013-0317753-A1 (Attorney Docket No. J78);

[0017] U.S. patent application Ser. No. 13/723,251, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Estimating Liquid Delivery, now U.S. Pat. No. 9,636,455 issued May 2, 2017 (Attorney Docket No. J81), and

[0018] U.S. patent application Ser. No. 13/723,253, filed on Dec. 21, 2012, and entitled System, Method, and Apparatus for Electronic Patient Care, now U.S. Publication Number US2013-0191513-A1 (Attorney Docket No. J85), all of which are hereby incorporated herein by reference in their entireties.

[0019] U.S. patent application Ser. No. 14/812,149, entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow, (Attorney Docket No. Q48) filed on Jul. 29, 2015, now U.S. Publication No. US 2015-0332009 A1, published on Nov. 19, 2015 may also be related to one or more of the following applications:

[0020] PCT Application Serial Number PCT/US12/71131, filed Dec. 21, 2012 and entitled System, Method, and Apparatus for Dispensing Oral Medications (Attorney Docket No. J74WO);

[0021] PCT Application Serial Number PCT/US12/71490, filed Dec. 21, 2012 and entitled System, Method, and Apparatus for Infusing Fluid (Attorney Docket No. J76WO);

[0022] PCT Application Serial Number PCT/US12/71142, filed Dec. 21, 2012 and entitled System, Method, and Apparatus for Monitoring, Regulating, or Controlling Fluid Flow (Attorney Docket No. J79WO); and

[0023] PCT Application Serial Number PCT/US12/71112, filed Dec. 21, 2012 and entitled System, Method, and Apparatus for Estimating Liquid Delivery (Attorney Docket No. J81WO), all of which are hereby incorporated by reference in their entireties.

BACKGROUND

Relevant Field

[0024] The present disclosure relates to monitoring, regulating, or controlling fluid flow. More particularly, the present disclosure relates to a system, method, and apparatus for monitoring, regulating, or controlling fluid flow, for